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NORTHWEST LABORATORIES

APPLIED INDUSTRIAL RESEARCH

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200 JAMES STREET • SEATTLE, WASHINGTON 98104 • TELEPHONE MA. 2-0680

Report to: Longview Fibre Company

Date: November 8, 1971

Report on: Water Analyses

Lab. No. D 4220

Submitted: Six samples of water. Two were identified as follows:

1. Drinking Fountain
2. Supply line

Partial analyses has been conducted on all samples:

	1	2	3	4	5	6
pH	6.8	7.0	7.0	7.0	7.0	7.3
Total Iron, Fe, PPM	0.66	0.62	1.08	0.48	0.10	0.43
Total Manganese, Mn, PPM	Less than 0.01 on all samples.					
Dissolved Solids, Basis Conductivity, PPM	45	45	45	45	45	45

NOTES:

Values of dissolved iron (with the exception of #5) are abnormally high indicating localized corrosion in water system.

The following abstracts are taken from Public Health Service "Drinking Water Standards" (1962), "Both iron and manganese are highly objectionable constituents in water supplies for either domestic or industrial use. The domestic consumer complains of the brownish color which iron imparts to laundered goods. The taste which iron imparts to water may be described as bitter and astringent. Individuals vary in their acuity of taste perception, and it is difficult to establish a level which would not be detectable for the majority of the population.

"The amount of iron permitted in water by quality control to prevent objectionable taste or laundry staining (as much as 0.3 ppm) constitutes only a small fraction of the amount normally consumed and is not likely to have any toxicologic significance."

An additional objection to the presence of iron in water is from the standpoint that it will form stains destroying the sanitary appearance of sinks, lavatories, etc.

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INVOICE

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Longview Fibre Company
5901 E. Marginal Way S.
Seattle, Washington 98134

Date November 8, 1971
Report No. D 4220
Order No. S 1381

TERMS: NET. No statement will be sent unless requested.

To Analysis of Six Samples of Water \$ 145.00

INSPECTION & CERTIFICATION • CHEMICAL & PHYSICAL ANALYSIS • APPLIED RESEARCH & DEVELOPMENT

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